## Combined Declaration and Power of Attorney for Patent Application

Docket Number: 38-21(15091)B

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled <u>NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH THE CARBON ASSIMILATION PATHWAY</u>

the specification of which is filed herewith unless the following box is checked:

	filed on Marc		9 : on Number <u>09/2</u>	262 979	· and			•		
			(if appli		, and		•	.0.	•	
	that I have reany amendme		and understanded to above.	the cont	ents of	the above	identified spec	ification, inclu	ading the cla	aims, as
I acknowledg	ge the duty to	disclose	information tha	t is mate	erial to	patentabilit	ty as defined in	37 C.F.R. § 1	1.56.	
inventor's cer States listed l	rtificate, or § (below, and ha	365(a) of ve also i	efits under 35 U any PCT interr dentified below ore that of the a	national any for	applica	tion, which	n designated at or patent or inve	least one cour	ntry other th	an the United
Prior Foreign	Application(	s)				• (6)	•		Priority	Claimed
# # # # # # # # # # # # # # # # # # #			*						☐ Yes	□ No
(Application	No.)		(Country)			(Day	y/Month/Year 1	Filed)		
			· .	0	·				☐ Yes	□ No
(Application	No.)		(Country)	٠.	. :	(Day	y/Month/Year l	Filed)		
I hereby clain	m the benefit	under 35	U.S.C. § 119(e	) of any	United	States pro	visional applic	ation(s) listed	below.	
60/076,912 (Application	No.)	10.	03/06/98 (Filing Date)	181		Abando (Status)	ned			• .
		* 0			• .	*				

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

Lawrence M. Lavin, Jr. Dennis R. Hoerner, Jr. Richard H. Shear

Jeffrey I. Auerbach, Reg. No. 32,680
Melvin L. Barnes, Jr. Reg. No. 38,375
Michael J. Bell, Reg. No. 39,604
Mark R. Buscher, Reg. No. 35,006
Celine T. Callahan, Reg. No. 34,301
Cono A. Carrano, Reg. No. 39,623
Joseph V. Colaianni, Reg. No. 39,948
James F. Davis, Reg. No. 21,072
Thomas M. Dunham, Reg. No. 39,965
Joeh M. Freed, Reg. No. 25,101
Vector Randall Gard, Reg. No. 33,886
Alan M. Grimaldi, Reg. No. 26,599
Alexander J. Hadjis, Reg. No. 36,540
Albert P. Halluin, Reg. No. 25,227
Leslie L. Jacobs, Jr., Reg. No. 40,659

Reg. No. 30,768 Reg. No. 30,914 Reg. No. 26,583

Richard H. Kjeldgaard, Reg. No. 30,186
Joseph P. Lavelle, Reg. No. 31,036
David R. Marsh, Reg. No. 41,408
Joseph A. Micallef, Reg. No. 39,772
Erik B. Milch, Reg. No. 42,887
Anthony D. Miller, Reg. No. 34,394
Karen L. Nicastro, Reg. No. 35,968
Bradley J. Olson, Reg. No. 40,750
Andrew Y. Piatnicia, Reg. No. 40,772
Andrea G. Reister, Reg. No. 36,253
Stephen J. Rosenman, Reg. No. 29,209
Timothy L. Scott, Reg. No. 37,931
Anthony W. Shaw, Reg. No. 30,104
J. David Smith, Reg. No. 39,839
Michael J. Songer, Reg. No. 39,841

Send Correspondence to:

77

Larry M. Lavin, Jr.

Monsanto Company

700 Chesterfield Parkway North, BB4F

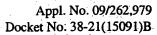
St. Louis, Missouri

Facsimile: (314) 737-6047

Direct Telephone Calls to: 314-737-6670

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	Nordine Cheikh				
First inventor's signature				I	Date
Residence	Manchester, Missouri USA	4			
Citizenship	USA				
Post Office Address	721 Foxwick Drive, Man	chester, Missouri 63011			هـ.
Tuli pame of second inventor	Philip W. Miller		· ·		;
Section inventor's signature					Date
Residence	Ballwin, Missouri USA				
Citizenship	USA				
Post Office Address	216 E Seawind Drive, Ballwin, M	lissouri 63021			· · · · · · · · · · · · · · · · · · ·
144					
Full name of third inventor	Keith M. O'Connell		1)		
Third inventor's signature	A-M	Dem	ell	,	Date 6/1/99
Residence K	irkwood, Missouri USA				
Citizenship	SA				
Post Office Address	68 A Fieldmount, Kirkwood, Miss	ouri 63122			·



Full name of fourth inventor Jingdong Liu Date Fourth inventor's signature Residence Ballwin Missouri USA USA Citizenship 885 Castle Pines Drive, Ballwin Missouri 63021 Post Office Address Full name of fifth inventor Date Fifth inventor's signature Residence đ Citizenship Post Office Address Full name of sixth inventor Sixth inventor's signature Date Residence Citizenship Post Office Address

## Combined Declaration and Power of Attorney for Patent Application

Docket Number: 38-21(15091)B

As a below named inventor, I hereby declare that:

X

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH THE CARBON ASSIMILATION PATHWAY

the specification of which is filed herewith unless the following box is checked:

was filed on Mar as United States a was amended on	Application Number 09/262,979	; and	
I hereby state that I have ramended by any amendment		ents of the above identified specification, in	cluding the claims, as
		rial to patentability as defined in 37 C.F.R.	
		19(a)-(d) or § 365(b) of any foreign applica	
States listed below, and ha		application, which designated at least one co sign application for patent or inventor's certion on on which priority is claimed.	
Prior Foreign Application	(s)		Priority Claimed
#- ##			Yes No
(Application No.)	(Country)	(Day/Month/Year Filed)	-
			☐ Yes ☐ No
(Application No.)	(Country)	(Day/Month/Year Filed)	
I hereby claim the benefit	under 35 U.S.C. § 119(e) of any	United States provisional application(s) list	ed below.
60/076,912 (Application No.)	<u>03/06/98</u> (Filing Date)	Abandoned (Status)	
(Application 140.)	(Fining Date)	(Status)	

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

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Cono A. Carrano, Reg. No. 39,623
Joseph V. Colaianni, Reg. No. 39,948
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Leslie L. Jacobs, Jr., Reg. No. 40,659

Reg. No. 30,768. Reg. No. 30,914 Reg. No. 26,583

Richard H. Kjeldgaard, Reg. No. 30,186
Joseph P. Lavelle, Reg. No. 31,036
David R. Marsh, Reg. No. 41,408
Joseph A. Micallef, Reg. No. 39,772
Erik B. Milch, Reg. No. 42,887
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Karen L. Nicastro, Reg. No. 35,968
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Timothy L. Scott, Reg. No. 37,931
Anthony W. Shaw, Reg. No. 30,104
J. David Smith, Reg. No. 39,839
Michael J. Songer, Reg. No. 39,841

Send Correspondence to:

Larry M. Lavin, Jr.

Monsanto Company

700 Chesterfield Parkway North, BB4F

St. Louis, Missouri

Facsimile: (314) 737-6047

Direct Telephone Calls to: 314-737-6670

Full name of fourth invento	or Jingdong Liu			
Fourth inventor's signature	J- 2-		· · · · · · · · · · · · · · · · · · ·	Date 6-7-99
Residence	Ballwin Missouri USA			
Citizenship	USA			
Post Office Address	885 Castle Pines Drive, Ballwin Missouri 630	21		
- 15 1	and the second	and the state of the second state of	aren le sament Fiel-	ngg gala daga (bahala) a Kabbasa (ba
Full name of fifth invento		and the second of the second o	· 在一定转动的1962年 - 1997	
Fifth inventor's signature				Date
Residence			,	· · · · · · · · · · · · · · · · · · ·
Citizenship			·	
Post Office Address			i,	
3 an	:			· ···(f
Full name of sixth invent	or			
Sixth inventor's signature			¥ -	Date
Residence		V	7 - Y- 2	
Citizenship				
Post Office Address				

Docket Number: 38-21(15091)B

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the specification of which is filed herewith unless the following box is checked:

was filed on Mar	ch 4, 1999;		
	Application Number 09/262.97	<u>79</u> ; and	
was amended on	(if applicable	).	
I hereby state that I have ramended by any amendment		ntents of the above identified specification, in	cluding the claims, as
I acknowledge the duty to	disclose information that is ma	aterial to patentability as defined in 37 C.F.R.	§ 1.56.
inventor's certificate, or § States listed below, and ha	365(a) of any PCT internations ave also identified below any for	§ 119(a)-(d) or § 365(b) of any foreign applical application, which designated at least one coreign application for patent or inventor's certation on which priority is claimed.	ountry other than the United
Prior Foreign Application	(s)		Priority Claimed
,,, <u>,,</u> ,			Yes No
(Application No.)	(Country)	(Day/Month/Year Filed)	
10 mm 10 mm 10 mm			☐ Yes ☐ No
(Application No.)	(Country)	(Day/Month/Year Filed)	
I hereby claim the benefit	under 35 U.S.C. § 119(e) of ar	ny United States provisional application(s) list	ed below.
60 <del>/0</del> 76,912	03/06/98	<u>Abandoned</u>	
(Application No.)	(Filing Date)	(Status)	*
. :			

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Reg. No. 30,768 Reg. No. 30,914 Reg. No. 26,583

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Michael J. Songer, Reg. No. 39,841

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Full name of sole or first invent	tor Nordine Cheikh		
First inventor's signature	-	•	Date
Residence	Manchester, Missouri U	JSA	
Litizenship	USA	and the second of the second o	and the second
ost Office Address	<del>र केन्द्रान्तिक है। विशेषिक विशेषिक कि</del>	nchester, Missouri 63011	सेक्कर हैं जिल्हें का के संस्थानी हुए जिल्हें ने का देखें के हैं है जिल्हें -
Full name of second inventor	Philip W. Miller		
Second inventor's signature	They 1	All	Date 6/7/99-
Residence	Ballwin, Missouri USA		
Gidzenship	USA		
Rost Office Address	267 Oak Pass Court Ballwin, Mis	ssouri 63021	
45			
int Full name of third inventor	Keith M. O Connell		
Third inventor's signature		3	Date
Residence	Kirkwood, Missouri USA		
Citizenship	USA		
Post Office Address	568 A Fieldmount, Missouri 63122	2	

Full name of fourth inventor	Jingdong Liu	
Fourth inventor's signature		Date
Residence	Ballwin Missouri USA	
Citizenship	USA	
Post Office Address	885 Castle Pines Drive, Ballwin Missouri 63021	
,		
Full name of fifth inventor		
Fifth inventor's signature	Constant of the Constant of th	Date
Residence		
Gitizenship		
Post Office Address		
73 73 73		•
Full name of sixth inventor		
Sixth inventor's signature		Date
Residence		
Gitizenship		
Post Office Address		-
		*



## Combined Declaration and Power of Attorney for Patent Application

Docket Number: 38-21(15091)B

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me spec	incation of which is	, illed liele with dilless to		9 0011 10 0120111001		
X	was filed on March as United States A was amended on _	n 4, 1999 ; pplication Number <u>09/2</u> (if appli	<u>62,979</u> ; an cable).	d	· .	
		viewed and understand to referred to above.	the contents	of the above identified specification,	including the cl	aims, as
Linereby inventor	claim foreign prior 's certificate, or § 3	rity benefits under 35 U 65(a) of any PCT internant have also identified	.S.C. § 1190 national app	to patentability as defined in 37 C.F.I (a)-(d) or § 365(b) of any foreign appllication, which designated at least one foreign application for patent or inverse application on which priority is claim	ication(s) for pa country other to ntor's certificate	han the
Prior Fo	reign Application(s	<b>;</b> )	t		Priority	Claimed
14				-	Yes	□ No
(Xpplic	ation No.)	(Country)	·.	(Day/Month/Year Filed)		
}- -			<i>:</i>		☐ Yes	☐ No
Applic	ation No.)	(Country)		(Day/Month/Year Filed)		
I hereby	claim the benefit u	ander 35 U.S.C. § 119(e	) of any Un	ited States provisional application(s)	isted below.	•
60/076, (Applic	912 ation No.)	03/06/98 (Filing Date)		Abandoned (Status)		•

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Dogg 1 of 4



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David R. Marsh, Reg. No. 41,408
Joseph A. Micallef, Reg. No. 39,772
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Anthony D. Miller, Reg. No. 34,394
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such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	Nordine Cheikh		
First inventor's signature	North Chy	M	Date 5/27/99
Residence	Manchester, Missouri USA		
Citizenship	USA		
Post Office Address	721 Foxwick Drive, Manchester, Misso	ouri 63011	
27 17 37 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t Marianto e se de la Tribatación de la teléfora e en la completa	and the second department of the second seco	till skiller og skille
Full name of second inventor I	Philip W. Miller	rigi arrivano em la cala ricintendra (l'esganti intrinui de para l'ele-	And the second s
Second inventor's signature			Date
Residence B	allwin, Missouri USA		
' <del>'</del>	JSA		
Post Office Address 2	16 E Seawind Drive, Ballwin, Missouri 6302	1 :	
###			
Full name of third inventor Keit	ih M. O' Connell		* .
급. Third inventor's signature			Date
Residence Kirk	wood, Missouri USA	*	
Citizenship US.	<b>A</b>		
Post Office Address	A Fieldmount, Missouri 63122		
		*-	·





## Appl. No. 09/262,979 Docket No. 38-21(15091)B

Full name of fourth inventor	Jingdong Liu						
Fourth inventor's signature	i da	في خير دي و دو ي	Belong en			 Date	
Residence	Ballwin Missouri USA					 	,
Citizenship	UŞA						
Post Office Address	885 Castle Pines Drive,	Ballwin Missour	i 63021		<u>, ; <u>:</u> <u>:-</u></u>		
· · · · · · · · · · · · · · · · · · ·							
Full name of fifth inventor							
Fifth inventor's signature					de	Date	
Residence			1				
10 10 itizenship		10.					
Post Office Address					0		
Full name of sixth inventor							
Sixth inventor's signature						 Date	
Residence	<u> </u>		·			 	•
Citizenship			٠.				
Post Office Address				·		-	
	*						